



Activity 4a

Exploring a rock pool



You are going to work with a partner and explore a rock pool on the shore. You will need a measuring stick and a thermometer.

You will be able to find and identify some animals and plants and discover how they survive in this environment.

Rock pool 1

Choose a shallow rock pool. Draw a circle around which tidal zone your pool is in.

low mid high

Measure the depth of your pool.....

Measure the width of your pool.....

Measure the temperature of your pool.....

Make a list of all the animals and plants you can find in your pool and how many of each you have found.

Use the sheet provided to help you identify them. Record your results in the table provided.

Rock pool 2

Now choose another pool to explore. Choose a pool from a different tidal zone.

Draw a circle around which tidal zone your pool is in.

low mid high

Measure the depth of your pool.....

Measure the width of your pool.....

Measure the temperature of your pool.....

Make a list of all the animals and plants you can find in your pool and how many of each you have found.

Use the sheet provided to help you identify them.





Activity4b

Exploring a rock pool



Animal	Number found in rock pool 1	Number found in rock pool 2

Compare the results from the two rock pools.
 Are these results what you would expect when making comparisons
 between different tidal zones?

Can you explain the reasons for these results?





Activity4c

Exploring a rock pool



Choose one animal to draw in the box below and label the parts which help it to survive.

My animal is a



What do you think your animal eats?
.....

What do you think your animal does in order to survive living on the shore?

Circle the ways:

Closes its shell tightly.

Crawls under seaweed.

Hides under a rock.

Uses suction to attach itself to a rock.

Lives in cracks to hide from the sun.

Uses camouflage to hide.

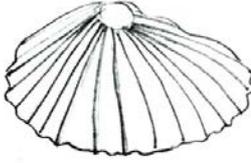
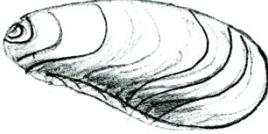
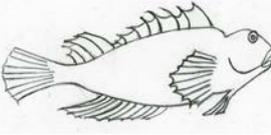


Surviving the changes



Activity 5

Cut out the pictures and phrases below. Match the pictures to the way the plant or animal adapts to its environment in order to survive. The animal or plant can adapt in more than one way.

<p>closes its shell tight</p>	<p>uses fine threads to attach itself to the rocks</p>	 <p>limpet</p>	<p>crab</p> 
<p>uses camouflage</p>	<p>has an exoskeleton to protect itself</p>	<p>mussel</p> 	<p>dog whelk</p> 
<p>hides under a rock</p>	<p>has a hard shell to protect itself</p>	<p>blenny</p> 	<p>bladderwrack</p> 
<p>uses suction to attach itself to a rock</p>	<p>has small air sacks to help it float near the surface to capture sunlight</p>	 <p>barnacle</p>	<p>starfish</p> 



Activity 6 How am I suited to my environment?

star fish



I have spines on my body, **why do you think I might need them?**

I have tiny tube feet under my arms. **What do you think I use them for?**

The tips of my arms are sensitive to light and if one gets damaged I can grow it back. **How could this help me?**

seal

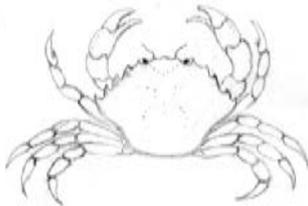


Why do you think I need the fur and blubber I have covering my body?

What do you think I use my flippers for?

How do you think my long whiskers help me?

crab

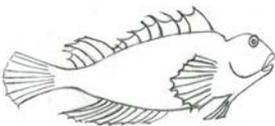


I have sharp pincers. **What do you think I use them for?**

I have a hard outer shell. **Why do you think I need this?**

I also have five pairs of legs. **How does this help me?**

fish



I have fins and a streamlined body. **How does this help me?**

What do you think I use my gills for?

I can use camouflage to disguise myself under water. **How does this protect me?**





Activity 7

Beach Scavenger Hunt



You are going to go on a beach scavenger hunt. Find each of the following. You can draw the items which can't be brought back to the classroom.

<i>something spikey</i> 1 point		<i>three different shells</i> 3 points	
<i>something bumpy</i> 1 point		<i>five different stones</i> 4 points	
<i>bird tracks</i> 5 points		<i>something shiny</i> 2 points	
<i>something man-made</i> 2 points		<i>something made of wood</i> 2 points	
<i>a feather</i> 3 points		<i>something made of metal</i> 3 points	
<i>something with joints</i> 5 points		<i>something which hangs on the rocks and is difficult to lift off</i> 4 points	
<i>something which is hiding</i> 4 points		<i>an animal with more than two legs</i> 5 points	
<i>two colours of seaweed</i> 3 points		<i>a shell with growth rings</i> 3 points	

How many paces wide is the beach? Estimate first.

How many waves crash into the shore in one minute? Estimate first.

Finally find something which is special to you. **Why is it special?**

